	FORM PTO-1449		ATTY. DOCKET NO. I-2-0074.8US	NO. 129					
PE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	E E	APPLICANT Donald L. Schilling						
DE 0 97			FILING DATE December 8, 2003	GROUP					
CANAL TO	e several sheets if necessary)				Z87	16			
		U.S. PATENT	DOCUMENTS	т -	1				
EXAMENER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SLECLASS	FILMIC DATE IF APPROPRIATE			
OC.	3,581,019	05/1971	Ryan						
4	* 3,784,793	01/1974	lto et al.	\prod					
	4,680,785	07/1987	Akiyama et al.						
	4,706,275	11/1987	Kamil						
	4,734,928	03/1988	Weiner et al.						
	4,757,186	07/1988	Heberle et al.	1					
	4,759,056	07/1988	Akiyama		1				
	4,763,354	08/1988	Fukushima et al.						
	4,782,217	11/1988	Soza et al.						
	4,795,892	01/1989	Gilmore et al.						
	4,833,702	05/1989	Shitara et al.						
1	4,845,740	07/1989	Tokuyama et al.						
	4,860,341	08/1989	D'Aveilo et al.						
	4,868,849	09/1989	Tamaoki						
	4,879,744	11/1989	Tasaki et al.						
	4,891,503	01/1990	Jeweil						
	4,897,870	01/1990	Golden						
	4,907,257	03/1990	Asano et al.		1				
	5,003,585	03/1991	Richer						
	5,109,540	04/1992	Dzung et al.	 		/			
	5,138,648	08/1992	Palomeque et al.			1			
5,138,654	-5,148,650	08/1992	Stahl et al.	 	1	1			
	5,146,217	09/1992	Homes et al.	}		1			
	5,148,472	09/1992	Freese et al.	1		 			
(1)	5,173,936	12/1992	Ditzig et al.	 					
	5,179,373	01/1993	John						
7									
	EXMINER)	E	DATE CO	ONSIDERE	D .				

UN 425/06

	FORM PTO-1449		ATTY, DOCKET NO. SERIAL NO. 10/730,229								
	S. DEPARTMENT OF COMMER NTENT AND TRADEMARK OFF		APPLICANT Donald L. Schilling								
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE GROUP December 8, 2003 — 2483								
	(Use several sheets if necessar)	<u> </u>			2876						
		U.S. PATENT	DOCUMENTS								
DITUL.	DOCUMENT NUMBER	DATE	NAME	auss	SUBCLASS	FILING APPR	DATE IF				
24	5,197,092	03/1993	Bamburak	1.							
9	5,220,593	06/1993	Zicker et al.								
	5,251,248	10/1993	Tokunaga et al.								
	5,266,782	11/1993	Alanara et al.								
	5,297,189	03/1994	Chabemaud		1						
	5,297,192	03/1994	Gerszberg		\						
	5,325,424	06/1994	Grube								
	5,359,182	10/1994	Schilling								
	5,371,493	12/1994	Sharpe et al.								
	5,371,785	12/1994	Marcinkiewicz								
	5,396,650	03/1995	Terauchi								
	5,404,580	04/1995	Simpson et al.		\ \						
	5,577,104	11/1996	Knuth et al.			\setminus					
	6,003,770	12/1999	Schilling			\uparrow					
	6,035,025	03/2000	Hanson			7					
	6,098,878	08/2000	Dent et al.				\				
	6,142,368	11/2000	Jonstromer				\mathcal{T}				
1	6,164,531	12/2000	Harris et al.								
iss	6,170,745	01/2001	Schilling								
1		FOREIGN PATE	NT DOCUMENTS	<u> </u>							
	DOCUMENT MARKER	DATE	COUNTRY	auss	SUBCLASS	TRANS	SLATION				
2	0244164	10/1986	JP	1							
	0044662	02/1989	JP	+							
180	0080717	04/1991	JP	†							

DATE CONSIDERED

White Examiner

Little

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

91406 6,142,369

<i>j</i> •		FORM PTO-1449		ATTY. DOCKET NO. SERIAL NO. 1-2-0074.8US 10/730,229							
		DEPARTMENT OF COMMER TENT AND TRADEMARK OFFI		APPLICANT Oonald L. Schilling							
:		INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE December 8, 2003		GROUI 2876					
•	(1	Use several sheets if necessary	")								
			U.S. PATENT	DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FLING DATE IF APPROPRIATE				
	PAC	5,138,648	08/1992	Palomeque et al.							
	91	5,146,217	09/1992	Homes et al.							
5,138,650 5,138,650		5,148,472	09/1992	Freese et al.							
5,138,650		-5,148,650 -	08/1992	Stahl et al.							
		5,173,936	12/1992	Ditzig et al.	1.						
		5,179,373	01/1993,	John							
	- T	5,191,611	03/1993	Lang							
	•	5,193,114	03/1993	Moseley							
		. 5,197,092	03/1993	Bamburak	1						
		5,220,593	06/1993	Zicker et al.	1	 					
	1	5,241,598	08/1993	Raith	-	H					
		5,251,248	10/1993	Tokunaga et al.	†	 					
		5,266,782	11/1993	Alanara et al.	+	1					
		5,266,782	11/1993	Alanaerae et al.	 -	++-					
,		5,297,189	03/1994	Chabernaud	 	$\vdash \vdash$					
		5,297,192	03/1994	Gerszberg	†	1					
	1	5,301,234	04/1994	Mazziotto et al.	1	1					
		5,325,424	06/1994	Grube	1	1					
		5,359,182	10/1994	Schilling	1						
	- 	5,371,493	12/1994	Sharpe et al.	+		 				
	 	5,371,785	12/1994	Marcinkiewicz	1:	 -					
	 	5,396,650	03/1995	Terauchi	1	 	 \ 				
		5,404,580	04/1995	Simpson et al.	•	 	 				
•	 	5,574,965	11/1996	Welmer	 		 				
•	(AC	5,577,104	11/1996	Knuth et al.	+	 	- -				
	40-1					<u>. </u>	l				

DATE CONSIDERED

QUINTING

CONSIDERED

EXAMINER: initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	FORM PTO-1449		ATTY. DOCKET NO. SERIAL NO. 12-0074.8US 10/730,229							
	DEPARTMENT OF COMME ENT AND TRADEMARK OFF		APPLICANT Donald L. Schilling							
	IFORMATION DISCLOSURE TATEMENT BY APPLICANT		FILING DATE December 8, 2003	GROUP 2876						
(Us	se several sheets if necessar	y)								
		U.S. PATENT	DOCUMENTS							
EXAMPLE INITIAL	DOCUMENT NUMBER	DATE	NAME	auss	SUBCLASS		DATE I			
/K	6,003,770	12/1999	Schilling	1						
9	6,035,025	03/2000	Hanson	+						
	6,098,878	08/2000	Dent et al.	1-						
	6,142,368	11/2000	Jonstromer							
	6,164,531	12/2000	Harris et al.			-				
	6,170,745	01/2001	Schilling	 						
(00) -						ightharpoons				
0		FOREIGN PATEN	IT DOCUMENTS		·					
						TRANS	SLATIO			
	COCUMENT NUMBER	DATE	COUNTRY	auss	SUBCLASS	YES	NO			
(AC).	3420874	12/1985	DE							
9	4119924A	12/1992	DE	1						
	0276403	08/1988	EP							
	0479982	04/1992	· EP	1						
	502446A	09/1992	EP	11						
11.	0562890	09/1993	EP	1-						
1	0538933	05/1997	EP	+			_			
11.	0428252	11/1997	EP	+	ackslash					
	2246269	01/1992	GB		\vdash		_			
	2269512	08/1996	GB	+	H	-	-			
	0244164	10/1986	JP	 	$\vdash \setminus \vdash$					
11.	63105555	05/1988	JP	+		_				
	0044662	02/1989	JP	 		\forall				
	0080717	04/1991	JP	+	•	\forall				
1,1	08130592A	05/1996	JP	┼		\dashv	$\overline{}$			
W			,	+			+			
(M)										

EXAMINER: initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

6148,369 6148,369

	FORM PTO-1449		ATTY. DOCKET NO. SERIAL NO. 1-2-0074.8US 10/730,229 APPLICANT Donald L. Schilling							
U.S. PAT	DEPARTMENT OF COMME ENT AND TRADEMARK OFF	RCE								
\$	NFORMATION DISCLOSURE STATEMENT BY APPLICANT se several sheets if necessar		FILING DATE December 8, 2003	GROUP 2485 - 2874						
	se several supers it uscessar	U.S. PATENT	DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	gass	SUBCLASS		DATE			
CAST	4,680,785	07/1987	Akiyama et al.	1, 443	3.53.53	-				
8	5,179,373	01/1993	John	+						
1	5,197,092	03/1993	Bamburak	+ 1 -						
++	5,220,593	06/1993	Zicker et al.	 \						
11-	5,251,248	10/1993	Tokunaga et al.	+ \	 -					
11-	5,266,782	11/1993	Alanara et al.	 			_			
11-	5,297,189	03/1994	Chabemaud			-				
	5,297,192	03/1994	Gerszberg		\					
 - 	5,325,424	06/1994	Grube	+	 	┢─				
	5,359,182	10/1994	Schilling	-	-	\vdash	•			
††	5,371,493	12/1994	Sharpe et al.	-	1	 				
11	5,371,785	12/1994	Marcinkiewicz			H				
	5,396,650	03/1995	Terauchi			-				
	5,404,580	04/1995	Simpson et al.			\vdash				
	5,577,104	11/1996	Knuth et al.		 	_	-			
	6,003,770	12/1999	Schilling			 				
	6,035,025	03/2000	Hanson			\vdash				
	6,098,878	08/2000	Dent et al.			$\dag \uparrow$				
1.	-0,142,388- -	11/2000	Jonstromer	1		$\vdash \uparrow$	_			
ac	6,164,531	12/2000	Harris et al.			1	\			
P		FOREIGN PATE	IT DOCUMENTS							
						TRAN	SLATIO			
-	DOCUMENT MUNBER	DATE	COLIKTRY	QA\$\$	SUBCLASS	YES	NO			
<i>y</i> 6	0244164	10/1986	JP							
S.	0044662	02/1989	JP							
	0080717	04/1991	JP				1			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

CAL 25/06 Co, 142, 369

Sheet 2 of 4

													,	10 100		12014			
						RM			•			ATTY. DOCKET NO. 1-2-0074.8US	/6/730229 SERIAL NO. —Not Yot Known						
			U.S. Pati										PLICANT d L. Schilling						
			INFORMATION DISCLOSURE STATEMENT BY APPLICANT									FILING DATE	GROUP						
	(Use several sheets if necessary)											Not Yet Known	_Not Yet Known 2876						
•	卜	U.S. PATENT											J	C01	W .				
	<u> </u>											DOCUMENTS							
		MINER ITIAL		\bot		000	MENT	NUMBI	3 7		DATE	NAME	CLASS	SUBCLASS		G DATE IF NOPRIATE			
	淅	K	AP*	4	8	6	8	8	4	9	09/1989	Tamaoki	1						
	7		AQ*	4	8	7	9	7	4	4	11/1989	Tasaki et al.							
	L		AR*	4	8	9	1	5	0	3	01/1990	Jewell							
	L		AS*	4	8	9	7	8	7	0	01/1990	Golden							
	L	Ш	AT*	4	9	0	7	2	5	7	03/1990	Asano et al.							
	L		AU*	5	0	0	3	15	8	5	03/1991	Richer		1					
1			AV*	5	1	0	9	5	4	0	04/1992	Dzung et al.							
•			AW*	5	1	3	8	6	4	8	08/1992	Palomeque et al.							
5,138,650			AX.	4	Ŧ	+	8	0	\$	9	08/1992	Stahl et al.			7				
			AY'	5	1	4	6	2	1	7	09/1992	Homes et al.			7				
			AZ'	5	1	4	8	4	7	2	09/1992	Freese et al.			_	abla			
	4	<u></u> Ω	BA*	5	1	7	3	9	3	8	12/1992	Ditzig et al.				•			
	1	5								FC	REIGN PATE	NT DOCUMENTS							
															TRAN	SLATION			
		_	200		_		MENTH	_	·		DATE	COUNTRY	CLASS	SUBCLASS	YES	ОМ			
	A		BB*	0	0	8	0	7	1	7	04/1991	Japan							
	to the	D	BC*		13	٥	5	9	2	Α	05/1996	Japan							
	1	3	BD*	0	9	0	1	85	84	Α	01/1997	Japan				7			
	OTHER DOCUMENTS (Including A)								JME	NTS	(including Aut	hor, Title, Date, Pertinent Page:	s. Etc.)						
•						_					<u> </u>								
																			
									_										
			•																
			4		F	XAM	INF	-			T	, QATE CO	NSIDERFI)					
			V	0111	ia.					<i>D</i> .	\	ulidos		-					
_	- Shruman 25 15 15																		

(A3 a/25/06